

City Council Utility Committee

Meeting Agenda

Friday, January 19, 2018

COUNCIL CHAMBERS, CITY HALL, 2ND FLOOR

8:00-9:30 am

- I. Call to Order
- II. Roll Call
- III. Approval of Agenda
- IV. Approval of Minutes from October 27, 2017
- V. Public Comments on Items Not on the Agenda
- VI. Update – Water Resources
 - Water Supply Update
 - Windy Gap Firing Project Update (dates provided by NCWCD)
 - i. Water Rights Decree
 - ii. Consulting Services
 - iii. Financing
- VII. Update – CIP Projects
- VIII. 2018 Utility Rates & Recommendation
- IX. Water Treatment Process Update
- X. Solid Waste Contractor Licensing
- XI. Sustainability Utility - Discussion
- XII. Upcoming Projects and Council Action
 - Greeley Windy Gap Transfer – February/March
 - Windy Gap Consulting Services – February/March
 - Utility Rate Increase – March & April
 - Third Amendment to the 5th Interim Agreement – February/April
 - SCWTP HVAC Upgrades – 2nd QTR
 - Louisville Pipeline Control Vault Construction – 3rd QTR
 - Water Tanks Maintenance – 3rd QTR

- SCWTP Tube Settlers Replacement Construction – 3rd QTR
- Windy Gap Financing – Summer/Fall

XIII. Agenda Items and Date for Next Meeting

- Advance Agenda & Meeting Dates

XIV. Adjourn 9:30 am

Attachments: 10-27-17 Draft Minutes

Preliminary Windy Gap Financing Options

CIP Summary

Utility Rates Presentation

Financial Statements

Treatment Chemical Table

Hauler Ordinance

Advance Agenda

City Council Utility Committee Draft - Meeting Minutes

Friday, October 27, 2017

Administration Building, Wastewater Treatment Plant

I. Call to Order – Jay Keany called the meeting to order at 8:45 am.

II. Roll Call was taken and the following members were present:

City Council: Jay Keany, Robert Muckle and Jeff Lipton

Absent:

Staff Present: Heather Balser, Kurt Kowar, Cory Peterson, Graham Clark and Emily Hogan

Public: Peter Stewart

III. Approval of Agenda: Agenda approved as written.

IV. Approval of the Minutes: The meeting minutes from August 18th were approved as written.

V. PUBLIC COMMENTS ON ITEMS NOT ON THE AGENDA:

None

VI. Update – Water Resources

Mr. Peterson provided a brief overview of the current conditions of water supplies as being relatively average with no major concerns to note. Next couple of updates will be related to snow pack conditions as we look to 2018.

Mr. Peterson indicated that the Windy Gap Project is progressing. A lawsuit has been filed against the Windy Gap project challenging, among several items, the environmental determinations. The possibility of a lawsuit was not entirely unexpected but could result in delays of construction which has the high potential of increasing project costs. Also, the longtime general manager, Eric Wilkinson, has announced his retirement after 30 years of service.

Mr. Peterson presented the option of utilizing additional consulting services for the Windy Gap project to provide coverage and allow for a voting member if staff is unavailable. Utility Committee was in favor of this option. Staff will finalize the agreement and provide to Utility Committee via email for review prior to the Council Meeting.

VII. Update – CIP Projects

Mr. Peterson discussed upcoming projects and reviewed the CIP summary. Emphasis was given to the Louisville Pipeline Inspection project explaining the various options and the associated costs. Mr. Peterson highlighted the challenges with the scope of this project and a possible solution that staff is exploring. If viable, staff will bring forward a contract in late November for approval.

Mr. Peterson outlined the recommendation to utilize the same plate settler manufacturer for the tube settler replacement at the SCWTP as those recently awarded at the HBWTP. Utility Committee agreed with the recommendation and staff will bring forward a sole source contract at the November 28th Council Meeting.

VIII. 2018 Utility Rates

Mr. Kowar highlighted the overall rate process and the recent impacts from the Pump Station overrun. Staff prepared 3 rate options that utilized the techniques of either removing/delaying projects or modifying projected rate adjustments. The financial model was presented with the ability for active interaction. After several iterations, The Utility Committee had a preference on consistent rate adjustments and recommended 3% for next 3 years and 4% for the four years following this out to 2024.

The Utility Committee requested future discussion items on the tier rate structure and effects of tap fees on rates.

IX. Tap Fees

Mr. Kowar summarized the efforts in evaluating possible ordinance changes related to the administration of tap fees. It is staff's recommendation that the existing city code is sufficient for the effective management of taps fees and no changes are required. Mr. Stewart requested a refinement of the ¾-inch tap fee to allow for a lesser charge for smaller projected water usage. The Utility Committee made a motion and approved staff's recommendation for no change.

X. EPA Fine

Mr. Kowar briefly outlined the EPA fine and the adjustments made in staff and process in response to the fine.

XI. Legal Services

Mr. Peterson highlighted Mr. Hill's contract for water rights attorney services that was approved at the last Council Meeting.

XII. Undergrounding

Mrs. Hogan provided a review of the undergrounding funds and current list of potential projects. Utility Committee requested further information on recent outages and provided direction that staff should continue with projects that can be funded by the 1%. Also, a future policy discussion should be had with the entirety of Council for the determination of supplementing with City funds. Staff will develop 2-3 Capital Improvement Project Worksheets for the 1% fund for Council consideration.

XIII. 12/18 Joint Council Meeting – Agenda Discussion

The following Agenda items are to be included at 12/18 meeting.

- Recommended 2018 Rates
- Coordination/Policies

XIV. Upcoming Projects and Council Action

No discussion was had.

XV. Agenda Items and Date for Next Meeting

Mr. Kowar discussed the draft bi-monthly work plan. Items to be added will include:

- Risk analysis (3/9 or 5/11)
- Water tap fee policy of including water rights (3/9 or 5/11)
- Evaluation of the rate structure and tap fee impacts (3/9 or 5/11)

Staff proposed a protocol of more urgent items that fall outside of the Utility Committee meeting scheduled being handled as follows:

- Email summarizing the action(s).
- Follow up phone calls for questions and clarifications.

XVI. Adjourn

The meeting was adjourned at 10:30 am by Mr. Keany and seconded by Mr. Muckle.

Preliminary Windy Gap Financing Options

Windy Gap Financing Options	Term (yrs)	Estimated Rate	Cash (2018)	Amount Financed	Approx. Annual Payment (Current Model \$905,000)	Approx. Total Payments	Projected Utility Rate Impacts (2018-2024)
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Option A1

Joint Financing w/ Cash:	30	3.5%		\$9,130,000	\$497,000	\$14,910,000	0%
Joint Financing: CWCB Loan	30	3.1%		\$2,860,000	\$148,000	\$4,440,000	
Joint Financing: Total			\$2,500,000	\$11,990,000	\$645,000	\$21,850,000	

Option A2

Joint Financing: Sr Loan	30	3.5%		\$11,630,000	\$632,000	\$18,960,000	-3.55% (-0.5%/yr)
Joint Financing: CWCB Loan	30	3.1%		\$2,860,000	\$148,000	\$4,440,000	
Joint Financing: Total			\$0	\$14,490,000	\$780,000	\$23,400,000	

Option B1

Self Financing w/ Cash:	30	3.0%	\$2,500,000	\$11,990,000	\$612,000	\$20,860,000	0%
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Option B2

Self Financing:	20	2.75%	\$0	\$14,490,000	\$952,000	\$19,040,000	+0.7% (+0.1%/yr)
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Impact to Joint Financing if Step Up Occurs (Max step 35%, increase in storage)

Joint Financing: Sr Loan	30	3.5%		\$15,700,500	\$854,000	\$25,620,000	+3.55% (+0.5%/yr)
Joint Financing: CWCB Loan	30	3.1%		\$3,861,000	\$200,000	\$6,000,000	
Joint Financing: Total			\$0	\$19,561,500	\$1,054,000	\$31,620,000	

Advantages

Joint Financing (A)

- Possible Less Debit Coverage
- CWCB Subordinate Loan
- Shared/Lower Bond/Rating Costs

Self Financing (B)

- Possible Lower Rate
- No Step Provision
- Term/Structure Control

Items Needing Finalization

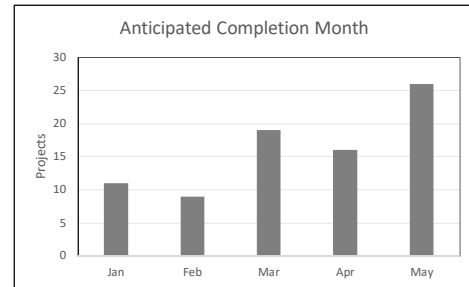
- Rates
- Debit Coverage Requirements
- Allotment Contract (w/ step-up provision)
- Bond consultant (if needed)



Account number	Description	Budget 2017	YTD Balance 2017	% Spent YTD	Carry-Forward, Original, or Amended	2017 Estimate	Notes updated Quarterly (Last updated 12/31/17)
WATER FUND							
501498-600025	Fire Hydrant Painting	\$18,000	\$0.00	0.0%	Amended \$18K	\$4,000	Work underway, project will roll into 2018
501498-640000	Motor Vehicle/Road Equipment	\$30,750	\$31,345	101.9%	Original	\$31,345	Complete
501499-640112	Harper Lake Stop Logs	\$55,000	\$35,000	63.6%	Carry-Forward \$55K	\$35,000	Complete
501499-640116	Water Plants Disinfection Eval	\$102,500	\$9,696	9.5%	Original	\$36,000	Under construction, project will roll into 2018 complete by Q2
501499-640117	WTP Instrumentation Upgrades	\$153,750	\$80,486	52.3%	Original	\$153,750	Work underway, project will roll into 2018
501499-650035	ERP System	\$12,615	\$8,465	67.1%	Amended \$6K	\$8,500	MUNIS - still completing HR, Utility Billing & ESS Timekeeping Modules. EnerGov/Community Development - still completing CSS and Plan Review workflows. Intent is to rollover 2017 balance to continue project in 2018.
501499-650038	Lucity Software	\$28,876	\$23,568	81.6%	Amended \$28K	\$28,876	See 301312-650038
501499-650080	Water Facilities SCADA Upgrade	\$250,000	\$75,033	30.0%	Carry-Forward \$198, Amended \$52K	\$150,000	In design. Installation to occur as each component is designed. Project will roll into 2018
501498-660182	Water Line Replacement	\$4,305,000	\$1,569,374	36.5%	Original	\$1,750,000	Will spend \$50,000 in 2018 for top mat pavement on Lee and Walnut
501499-660190	NCWCD-Windy Gap Firing Proj	\$350,624	\$350,624	100.0%	Amended \$75K	\$350,624	Complete. This project is in the design phase
501498-660205	PRV Replacement	\$40,000	\$0.00	0.0%	Amended \$40K	\$0	Project is re-bidding for scope change, project will roll into 2018
501499-660207	SCWTP Pump Station Improvement	\$2,800,000	\$634,881	22.7%	Carry-Forward \$2.4M, Amended \$421K	\$1,200,000	Q4-Q2 2018 Construction
501499-660208	Louisville PL Condition Assess	\$250,000	\$0.00	0.0%	Carry-Forward \$250K	\$0	Conducting site assessment, project will roll into 2018
501499-660209	SCWTP Drying Bed Rehab	\$0	\$0.00	0.0%	Amended to zero Nov 2017	\$0	This project has been cancelled
501499-660210	Water Facilities Security Upgr	\$99,920	\$66,778	66.8%	Carry-Forward \$99K	\$99,920	Work underway, project will roll into 2018
501499-660211	Howard Diversion Upgrades	\$133,997	\$87	0.1%	Amended \$73K	\$7,000	City of Boulder and the State is involved & timelines have lengthened, roll-over to 2018
501498-660221	HBWTP Filter Media Replacement	\$155,000	\$14,950	9.6%	Amended \$155K	\$50,000	Under construction, project will roll into 2018 complete by Q2
501499-660230	HBWTP HVAC Upgrade	\$82,000	\$8,075	9.8%	Original	\$65,000	Under construction/installation, estimated completion Q1-2018
501499-660231	Louisville Lateral Ditch Pipin	\$205,000	\$2,766	1.3%	Original	\$30,000	In design. Construction 2018
501499-660232	Cent/McCaslin Hi Zone Water Lp	\$55,000	\$0.00	0.0%	Original	\$55,000	Developer working on this-no completion date at this time
501499-660233	WTP Caustic Tank Upsizing	\$25,630	\$62	0.2%	Original	\$0	All bids over budget, project being reevaluated
501498-660234	Tube Settler Replacement	\$589,380	\$60,428	10.3%	Original	\$100,000	Under Construction, Project will roll into 2018 complete by Q2
501499-660243	Louisville Pipeline Flow Contr	\$250,000	\$202	0.1%	Amended \$250K	\$25,000	Currently in the design phase, Construction 2018
501498-660246	WTP Facility Painting	\$200,000	\$48,312	24.2%	Amended \$200K	\$192,900	Under construction, estimated completion Q1-2018
501498-660818	HBWTP Flash Mixer Replacement	\$174,250	\$156,350	89.7%	Original	\$100,000	Work underway, project will roll into 2018
501499-660244	HBWTP Upgrades	\$405,000	\$5,870	1.4%	New CIP	\$15,000	Under Construction, Project will roll into 2018 complete by Q2
501499-660245	SCWTP Upgrades	\$493,000	\$4,310	0.9%	New CIP	\$117,000	Under Construction, Project will roll into 2018 complete by Q2
	WATER FUND TOTAL	\$11,265,292	\$3,186,662	28.3%		\$4,604,915	
WASTEWATER FUND							
502499-640113	WWTP Laboratory Equipment	\$6,670	\$6,311	94.6%	Original	\$6,670	Complete
502499-650035	ERP System	\$12,615	\$8,256	65.4%	Amended \$6K	\$8,300	MUNIS - still completing HR, Utility Billing & ESS Timekeeping Modules. EnerGov/Community Development - still completing CSS and Plan Review workflows.
502499-650038	Lucity Software	\$28,876	\$23,568	81.6%	Amended \$28K	\$28,876	See 301312-650038
502499-660153	Wastewater Plant Upgrade	\$7,572,624	\$6,053,333	79.9%	Carry-Forward \$3M	\$6,500,000	New plant is operational with construction complete, Final payment Q1-2018
502498-660216	Reuse System Replacement	\$0	\$3,390	0.0%	No Budget	\$3,390	No budget, returned \$88,000 in 2016
502498-660183	Sewer Utility Lines	\$2,152,500	\$880,499	40.9%	Original	\$1,200,000	Will spend about \$25,000 in 2018 for top mat asphalt on Lee and Walnut
502498-660195	Sewer Main Video	\$25,000	\$907	3.6%	Amended \$25K	\$25,000	Complete payment in process in December
502498-660249	Steel Ranch Lift Station Repairs	\$50,000	\$0.00		Amended \$50K Nov 2017	\$25,000	New line item to address repairs and upgrades at the Steel Ranch Lift Station, project will roll into 2018
502499-660218	CTC Lift Station Controls	\$20,000	\$0.00	0.0%	Carry-Forward \$20K	\$0	Part of the SCADA project, will roll into 2018
	WASTEWATER FUND TOTAL	\$9,868,285	\$6,976,264	70.7%		\$7,797,236	
STORMWATER FUND							
503499-630128	Ctywide Strm Sewr Outfall Imps(2)	\$320,000	\$165,836	51.8%	No Budget	\$275,000	Will Spend \$50,000 in 2018 for top mat asphalt on Spruce Cul de sac and Lee/walnut
503499-630024	North Louisville Drainage	\$157,500	\$150,000	95.2%	Original	\$150,000	Contribution to UDFCD for design and 2019 Underpass Construction
503499-630030	CCS Drainage	\$250,000	\$0.00	0.0%	Carry-Forward \$250K (2014)	\$0	Developer dependant. Moved to 2018. May become alternative project to support HW42 underpass and alternative stormwater diversion plan to Hecla
503499-630096	Detention Pond Maintenance	\$112,750	\$4,042	3.6%	Original	\$80,000	Construction in progress, should finish early Jan 2018
503499-640000	Motor Vehicle/Road Equipment	\$26,000	\$28,466	109.5%	Original	\$28,470	Complete
503499-640001	Machinery & Equipment	\$18,000	\$18,317	101.8%	Original	\$18,320	Complete
503499-650038	Lucity Software	\$28,876	\$23,568	81.6%	Amended \$29K	\$28,876	See 301312-650038
503499-660068	(7%) South Street Underpass	\$92,640	\$74,473	80.4%	Carry-Forward \$92K (2014)	\$92,640	Punchlist and Closeout
503499-660238	Goodhue Ditch Storm Wtr Divers	\$40,000	\$149	0.4%	Original	\$40,000	Feasibility coinciding with Hwy 42 Underpass Goodhue Ditch conflicts
	STORMWATER FUND TOTAL	\$1,045,766	\$464,852	44.5%		\$713,306	

Project Summary

	Current - January		Prior - October		August	
	Projects	Percentage	Projects	Percentage	Projects	Percentage
Development	0	0%	1	1%	80	77%
Bidding	0	0%	54	53%	0	0%
Design	2	2%	2	2%	0	0%
In progress	79	77%	25	25%	10	10%
Completed	23	23%	22	22%	14	13%



HOWARD BERRY WATER TREATMENT PLANT (SOUTH)

	Location	Item	Priority Ranking (1-10)	Status	Anticipated Completion Date
1	Pretreatment	Trac-vac Repair	10	Completed	N/A
2	Pretreatment	New Raw Access Shed	1	In progress	May. '18
3	Pretreatment	Seal and Repair Concrete	3	In progress	May. '18
4	Pretreatment	Cherry Street Pipeline valve (CCGC) Replacement	8	In progress	Apr. '18
5	Pretreatment	Parking Lot Crack Seal and Patching	2	In progress	May. '18
6	Pretreatment	New Raw Water Bypass Valve	7	In progress	Apr. '18
7	Pretreatment	Lighting Improvements	1	In progress	Apr. '18
8	Pretreatment	Meter Testing / Calibration	6	In progress	Jan. '18
9	Pretreatment	Demo and Replace Surrounding Concrete (sidewalks	3	In progress	May. '18
10	Pretreatment	Soda Ash Feeder Removal	3	In progress	Jan. '18
11	Pretreatment	Permanganate Feeder and Equipment Remova	3	In progress	Jan. '18
12	Pretreatment	Chemical Feed Electrical Boxes Removal	3	In progress	Jan. '18
13	Pretreatment	PH Meter Replacement	7	In progress	Feb. '18
14	Pretreatment	SCD Meter Replacement	7	In progress	Feb. '18
15	Pretreatment	Chemical Building Programmable Logic Controller (PLC) Removal	2	In progress	Apr. '18
16	Pretreatment	Obsolete Exterior Fire Alarm Relocate	1	In progress	Apr. '18
17	Pretreatment	DIOXIDE Lighting Replacement	2	In progress	Apr. '18
18	Pretreatment	Exterior Painting	3	In progress	Apr. '18
19	Pretreatment	Demo and Replace Surrounding Concrete (sidewalks and stairs	3	In progress	May. '18
20	Pretreatment	Flocculator Replacement	9	Completed	N/A
21	Main Bldg.	New Utility Sink	1	Completed	N/A
22	Main Bldg.	Lighting Improvements	3	In progress	Apr. '18
23	Main Bldg.	VFD Electrical Panel Repair	2	In progress	Mar. '18
24	Main Bldg.	Filter Building Exhaust Fan Panel Replacement	4	In progress	Mar. '18
25	Main Bldg.	Old Trac-vac Filter Intake Removal	2	In progress	Jan. '18
26	Main Bldg.	MCC Concrete Pad Repair	3	In progress	May. '18
27	Main Bldg.	Sanitary Sump Pump Service and Maintenance	7	Completed	N/A
28	Main Bldg.	Drywall Repairs	1	In progress	May. '18
29	Main Bldg.	Interior Finishes (painting and replacement of base boards	1	In progress	May. '18
30	Main Bldg.	Window Tinting	1	In progress	May. '18
31	Gallery	Surface Wash Pump Seal Replacement	5	Completed	N/A
32	Gallery	Back Wash Pump Seals Replacement	6	In progress	Feb. '18
33	Gallery	Actuators Replacement	9	In progress	Feb. '18
34	Gallery	Filter to Waste Line Improvements	8	Completed	N/A
35	Gallery	Filter 2 Sample Pump Repair	7	Completed	N/A
36	Gallery	Air Blower Actuator Replacement	6	In progress	Feb. '18
37	Gallery	Electrical Panel Replacement	5	In progress	Feb. '18
38	Gallery	Clearwell Drain Improvements	3	In progress	Apr. '18
39	Gallery	Polymer Automation	4	In progress	Apr. '18
40	Gallery	Trac-vac Flow Meter Calibration and Improvement	4	Completed	N/A
41	Gallery	Air Dyer Removal	2	In progress	May. '18
42	Gallery	Instrument Electrical Rail Repair	5	In progress	Feb. '18
43	Gallery	Chemical Feed (chlorine gas & caustic) Relocator	4	Completed	N/A
44	Gallery	Backwash Rate Pump control valve	6	In progress	Mar. '18
		Engineering Support Services		Design	May. '18

SID COPELAND WATER TREATMENT PLANT (NORTH)

		Priority	Status	Anticipated Completion Date
Location	Item	Ranking (1-10)		
1 Raw	Louisville Reservoir Aerators Compressors and Diffusers Repair	7	Completed	N/A
2 Raw	Louisville Reservoir Aerator Expansion	3	In progress	Mar. '18
3 Raw	Inflow Measurement Device Replacement	6	In progress	Apr. '18
4 Raw	Raw Flow Meter Replacement	4	In progress	May. '18
5 Raw	Northern Vault Improvements	4	In progress	Mar. '18
6 Raw	Algae Monitoring System	5	In progress	Mar. '18
7 Pretreatment	ACH Sump Pump Holding Tank	6	In progress	Feb. '18
8 Pretreatment	Streaming Current Detector Electrical Panel Replacement	2	In progress	May. '18
9 Pretreatment	Secondary Containment Installation	6	In progress	Mar. '18
10 Pretreatment	Equipment Storage	1	In progress	Jan. '18
11 Pretreatment	PLC Cabinet Replacement	3	In progress	May. '18
12 Pretreatment	Roof Repairs	5	In progress	May. '18
13 Transition to Basin	Trac-vac Flow Meter Replacement	4	In progress	Mar. '18
14 Transition to Basin	Trac-vac Vault Improvements (improve access and ventilation)	3	In progress	May. '18
15 Transition to Basin	Recycle Flow Meter Replacement	5	In progress	Mar. '18
16 Transition to Basin	Recycle Vault Improvements (improve access and ventilation)	3	In progress	May. '18
17 Transition to Basin	SCD Vault Improvements (improve access and ventilation)	3	In progress	May. '18
18 Sed Basin	Raw Vault Low Flow Controls Calibration	7	Completed	N/A
19 Sed Basin	Lighting Improvements	4	Completed	N/A
20 Sed Basin	Rapid Mixer Propellers and Shafts Replacement	8	Completed	N/A
21 Sed Basin	Demo and Replace Surrounding Concrete (sidewalks)	3	In progress	May. '18
22 Sed Basin	Rapid Mixer Electrical Panel Replacement	5	Completed	N/A
23 Sed Basin	Broken Conduit Repair	4	Completed	N/A
24 Sed Basin	Raw Vault Improvements (improve access and ventilation)	3	In progress	May. '18
25 Sed Basin	Flocculators Electrical Panel Replacement	5	Completed	N/A
26 Sed Basin	Sed Basin Level Transmitters (2) Replacement	6	In progress	Jan. '18
27 Electrical Room	Transformer Maintenance	9	Completed	N/A
28 Electrical Room	Demo and Replace Surrounding Concrete (sidewalks)	3	In progress	May. '18
29 Electrical Room	Backup Generator Evaluation	8	Completed	N/A
30 Chlorine Dioxide	PVC Pipping Repair	5	Completed	N/A
31 Chlorine Dioxide	Demo and Replace Surrounding Concrete (sidewalks)	3	In progress	May. '18
32 Chlorine Dioxide	Epoxy Paint Floor	2	In progress	Mar. '18
33 Chlorine Dioxide	Lighting Improvements	2	In progress	Apr. '18
34 Chlorine	Equipment storage (ladder hangers)	1	Completed	N/A
35 Chlorine	Lighting Improvements	2	In progress	Apr. '18
36 Chlorine	Chemical Flow Adjustment Valve Replacement	3	Completed	N/A
37 Chemical Room	Sodium Chlorite Level Sensor SCADA Tie-In	4	In progress	Mar. '18
38 Chemical Room	Secondary Containment for Chemical Tanks	6	In progress	Mar. '18
39 Chemical Room	Silicate Tank Replacement	6	In progress	Mar. '18
40 Chemical Room	Chlorine Detector	5	In progress	Mar. '18
41 Main Building	Relocate Network Switch	4	In progress	Mar. '18
42 Main Building	Automate Polymer Mixing	3	In progress	May. '18
43 Filter	Filter Flow Meter Calibrations	3	Completed	N/A
44 Filter	#2 Filter Backwash Valve Calibration	3	In progress	Jan. '18
45 Filter	Pre-Inline Chlorine Probe Installation	4	In progress	Mar. '18
46 Filter	Filter To Waste Valve/Flow Meter Automation	4	In progress	Mar. '18
47 Filter	Link Seals Replacement	4	In progress	Jan. '18
48 Filter	Backwash Turbidity SCADA Conductivity	4	In progress	Mar. '18
49 Backwash Building	Epoxy and Seal Walls	2	Completed	N/A
50 Backwash Building	VFD Electrical Panel Replacement	5	In progress	Feb. '18
51 Backwash Building	Recycle Tank Level Sensor Replacement	5	In progress	Jan. '18
52 Backwash Building	Lighting Improvements	2	In progress	Apr. '18
53 Backwash Building	Vault Improvements (improve access and ventilation)	3	In progress	May. '18
54 3 MG Tank	Level Transmitter Replacement	5	In progress	Jan. '18
55 3 MG Tank	Tank Outflow Vault Replacement	3	In progress	Apr. '18
56 3 MG Tank	Electrical Conduit Repair and Replacement	5	In progress	Mar. '18
57 Lower Pond	Low Zone Vault Improvements (improve access and ventilation)	3	In progress	May. '18
58 Exterior	Perimeter Fence Repair	3	In progress	Apr. '18
	Engineering Support Services		Design	May. '18

Utility Committee 2018 Utility Financial Plan Update

January 19, 2018

Overview

Financial Plan

- ▶ Performance Metrics
- ▶ Alternatives
 - ▶ Just-In-Time
 - ▶ Smoothing - Recommended by Staff and Utility Committee

Financial Planning Performance Metrics

Debt Service Coverage (DSC):

Ratio of net revenues

(operating revenue less operating expense)

to annual debt service payment

- ▶ **Target DCS above required minimum Values**
 - ▶ Conservative approach to ensure legal DSC minimums are met even if revenue forecasts are not achieved
 - ▶ Maintain or achieve higher credit ratings

Debt Service Coverage

Required DSC Ratio

Colorado Water Resources and Power Development Authority	1.10
2013 Water and Wastewater Enterprise Revenue Bonds	1.15

Dual Target DSC Ratio

Fund	w/o Tap Fees	with Tap Fees ⁽¹⁾
Water	1.2	1.4
Wastewater	1.2	1.3
Storm	1.3	1.3 ⁽²⁾

(1) To reduce variability, tap fee revenue is from the prior year i.e. 2018 tap fee revenue was collected in 2017

(2) A tap fee for the stormwater utility has not been established, therefore the dual target is not used

Financial Planning Performance Metrics

Cash Reserves:

Target is the same for all 3 Utilities:

120 days cash or 33% of Total O&M

Working Capital Reserves Policy (section 2.4):

Policy is the same for all 3 Utilities:

25% of current operating expenses

Debt Issuance

Utility	Debt Service Payment (\$million)							
	2018	2019	2020	2021	2022	2023	2024	2025
Water	\$0.9M	\$0.9M	\$0.9M	\$0.9M	\$0.9M	\$0.9M	\$0.9M	\$0
Wastewater	\$1.3M	\$1.3M	\$1.3M	\$1.3M	\$1.3M	\$1.3M	\$1.3M	\$2.0M
Stormwater	\$0.3M	\$0.3M	\$0.3M	\$0.3M	\$0.3M	\$0.3M	\$0.3M	\$0.4M
Total	\$2.5M	\$2.5M	\$2.5M	\$2.5M	\$2.5M	\$2.5M	\$2.5M	\$2.4M

Alternatives

Financial Model Inputs:

- ▶ Revenues and Expenditures from Financial System
(equivalent with December-Financial Statement, subject to update year-end reporting)
- ▶ Tap Fees from 2017-2021 Revenue Projection (updated July '17 by Finance, Planning and Public Works)
- ▶ Capital Improvement Projects (updated December by Public Works, subject to year-end reporting)



WATER

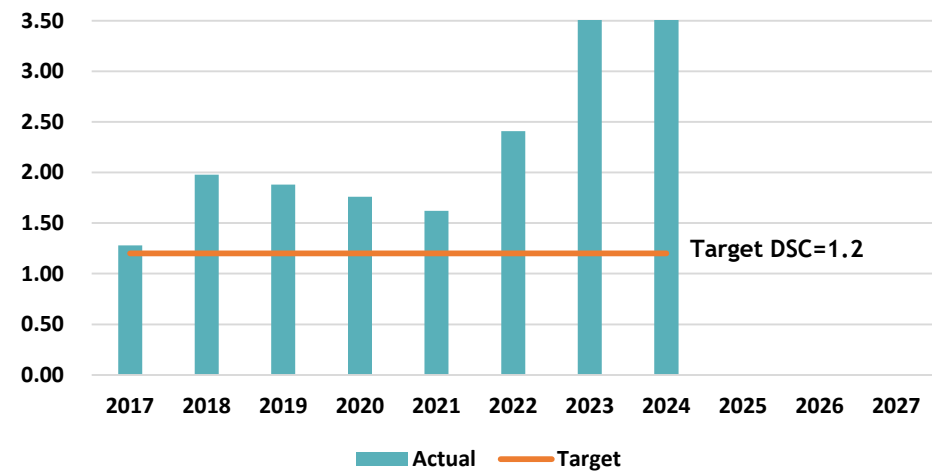
WATER

Financial Planning Alternatives

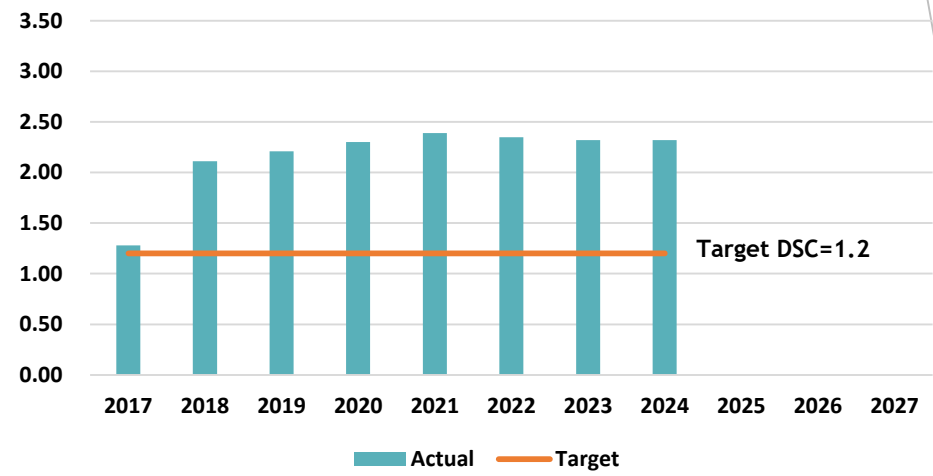
2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
2017 Plan									
3%	3%	3%	3%	2%	4%	4%	4%	4%	-
“Just-In-Time” Revenue Increases									
0%	0%	0%	0%	24%	21.5%	0%	0%	0%	0%
“Smoothing” Revenue Increases									
3%	3%	3%	3%	3%	3%	3%	0%	0%	0%

WATER: Financial Plan Alternatives

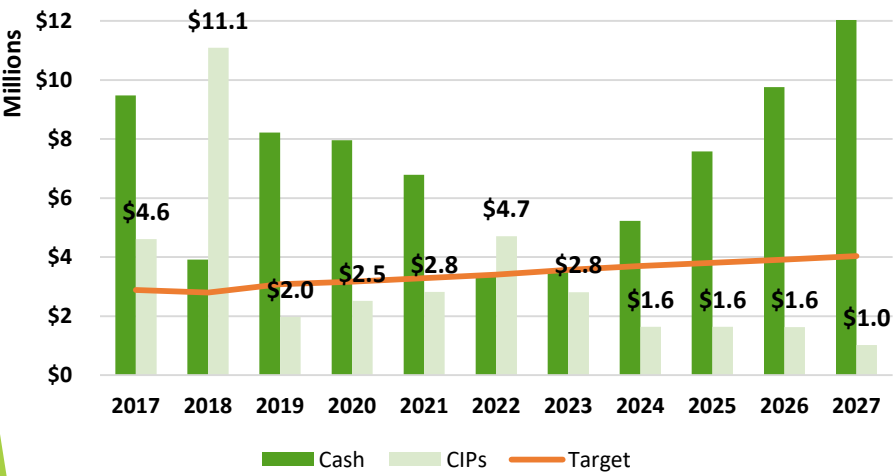
Just-In-Time: DSC (0% for 2018)



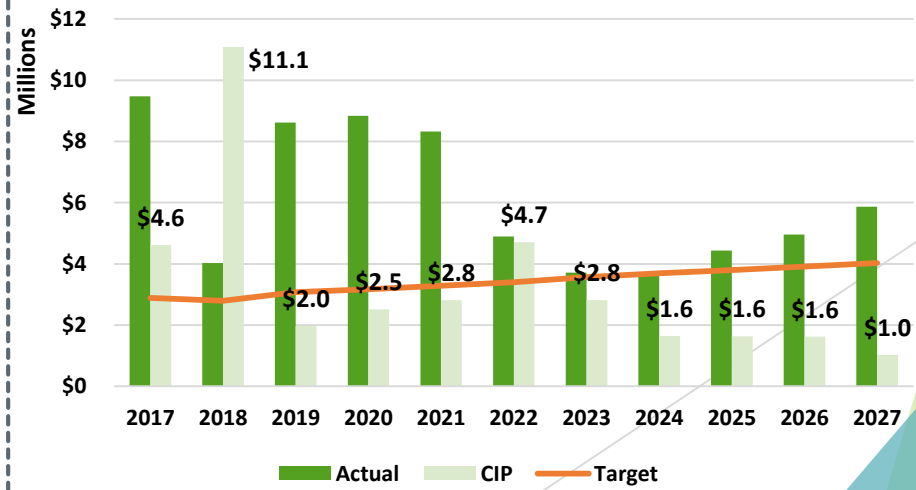
Smoothing: DSC (3% for 2018)



Just-In-Time: Cash Reserves (0% for 2018)



Smoothing: Cash Reserves (3% for 2018)



Recommended

WASTEWATER

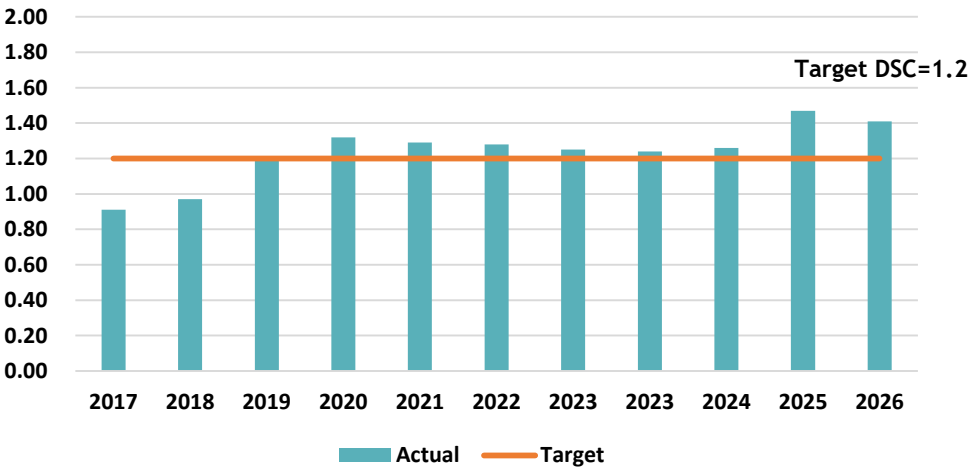
WASTEWATER

Financial Planning Alternatives

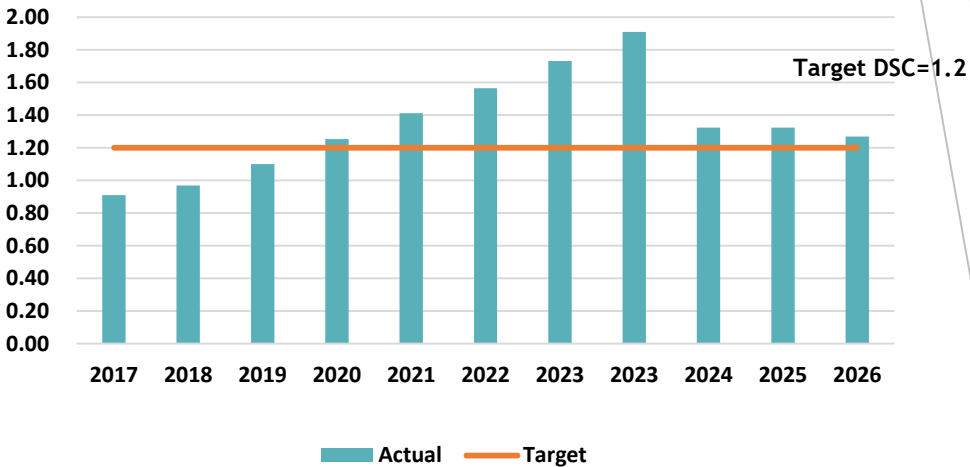
2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
2017 Plan									
7%	6%	6%	6%	6%	6%	6%	6%	2%	-
“Just-In-Time” Revenue Increases									
7%	13%	2%	0%	3%	1%	3%	36%	0%	0%
“Smoothing” Revenue Increases									
7%	7%	7%	7%	7%	7%	7%	6%	0%	0%

WASTEWATER: Financial Plan Alternatives

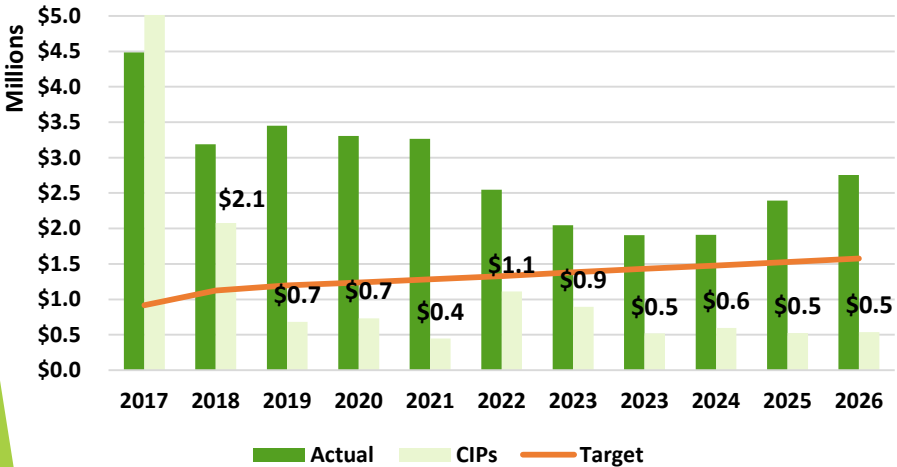
Just-In-Time: DSC (7% for 2018)



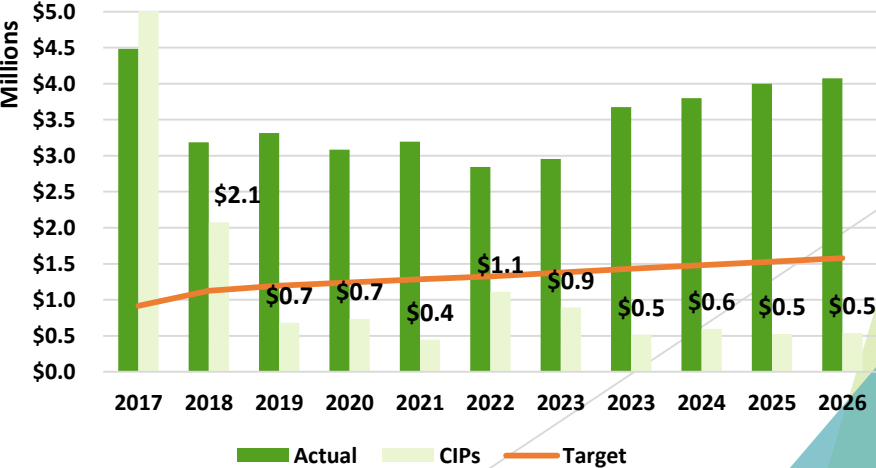
Smoothing: DSC (7% for 2017)



Just-In-Time: Cash Reserves (7% for 2018)



Smoothing: Cash Reserves (7% for 2017)



Recommended

STORMWATER

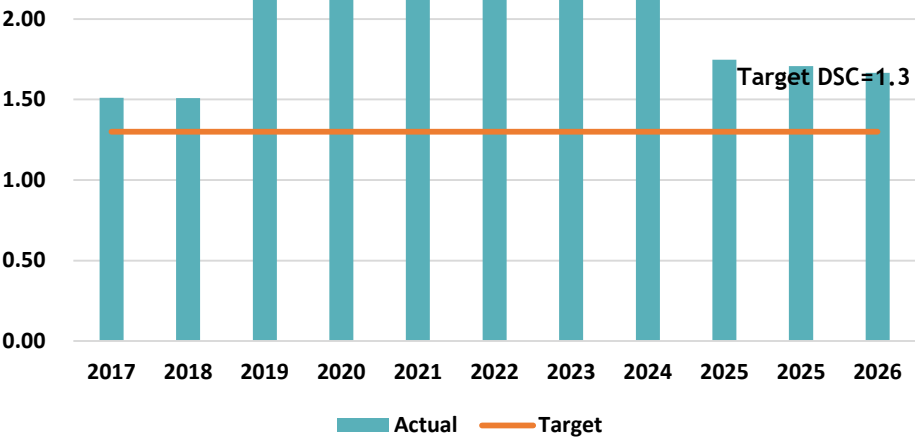
STORMWATER

Financial Planning Alternatives

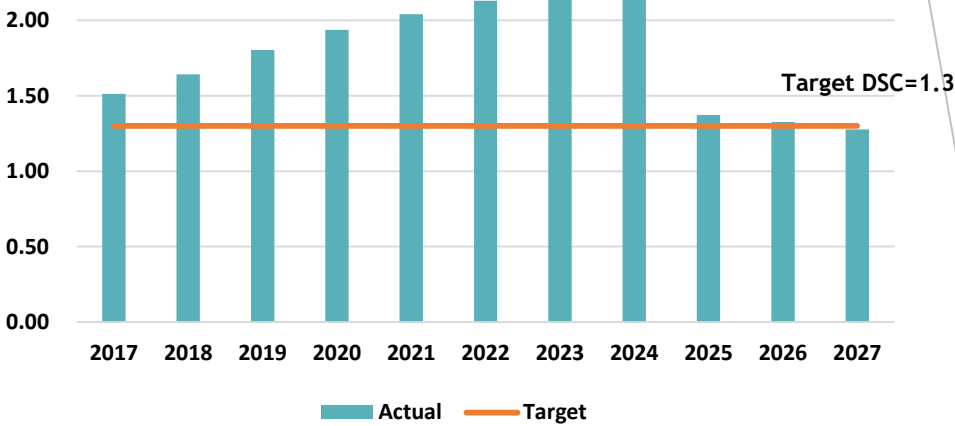
2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
2017 Plan									
3%	3%	3%	3%	3%	3%	4%	4%	4%	-
“Just-In-Time” Revenue Increases									
0%	52%	0%	0%	0%	0%	0%	0%	0%	0%
“Smoothing” Revenue Increases									
7%	7%	4%	4%	4%	4%	0%	0%	0%	0%

STORMWATER: Financial Plan Alternatives

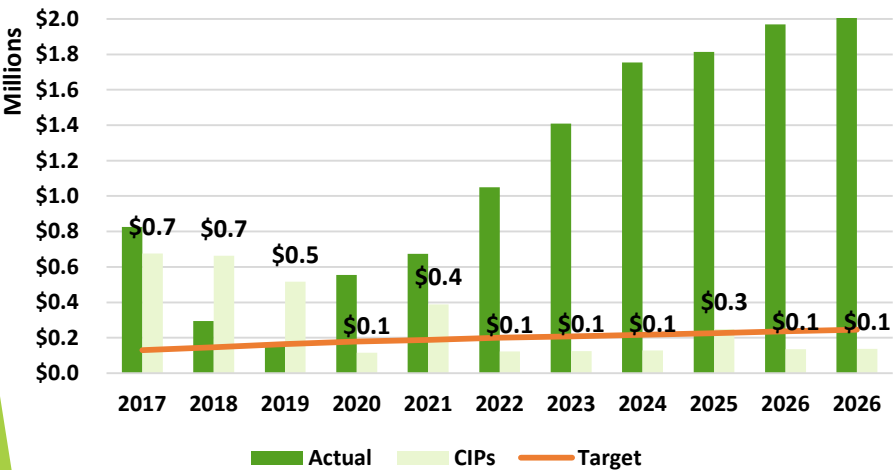
Just-In-Time: DSC (0% for 2017)



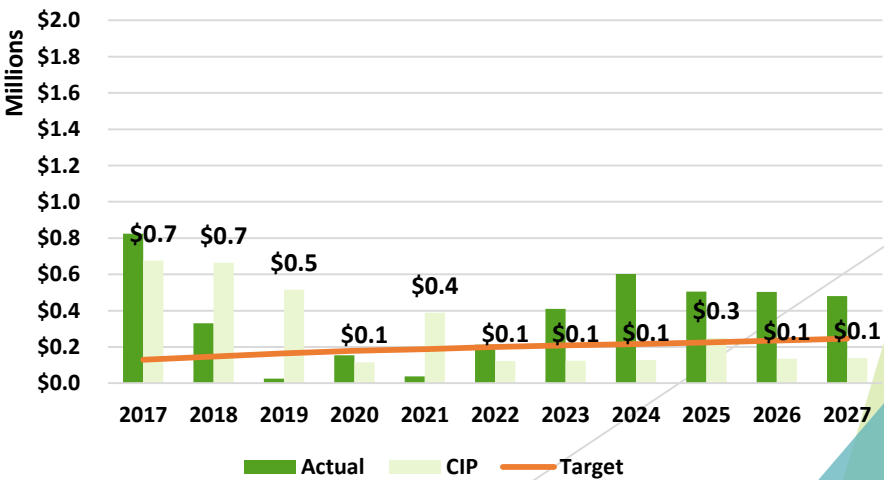
Smoothing: DSC (7% for 2018)



Just-In-Time: Cash Reserves (0% for 2017)



Smoothing: Cash Reserves (7% for 2018)



Recommended

Recommended Rate Increase:

	2018	2019	2020	2021	2022	2023
Alternative 2 - “Smoothing” Revenue Increases (All funds self-sufficient)						
Water	3% 3%	3% 3%	3% 3%	3% 3%	3% 2%	3%
Wastewater	7% 7%	7% 6%	7% 6%	7% 6%	7% 6%	7%
Stormwater	7% 4%	7% 3%	4% 3%	4% 3%	4% 3%	4%

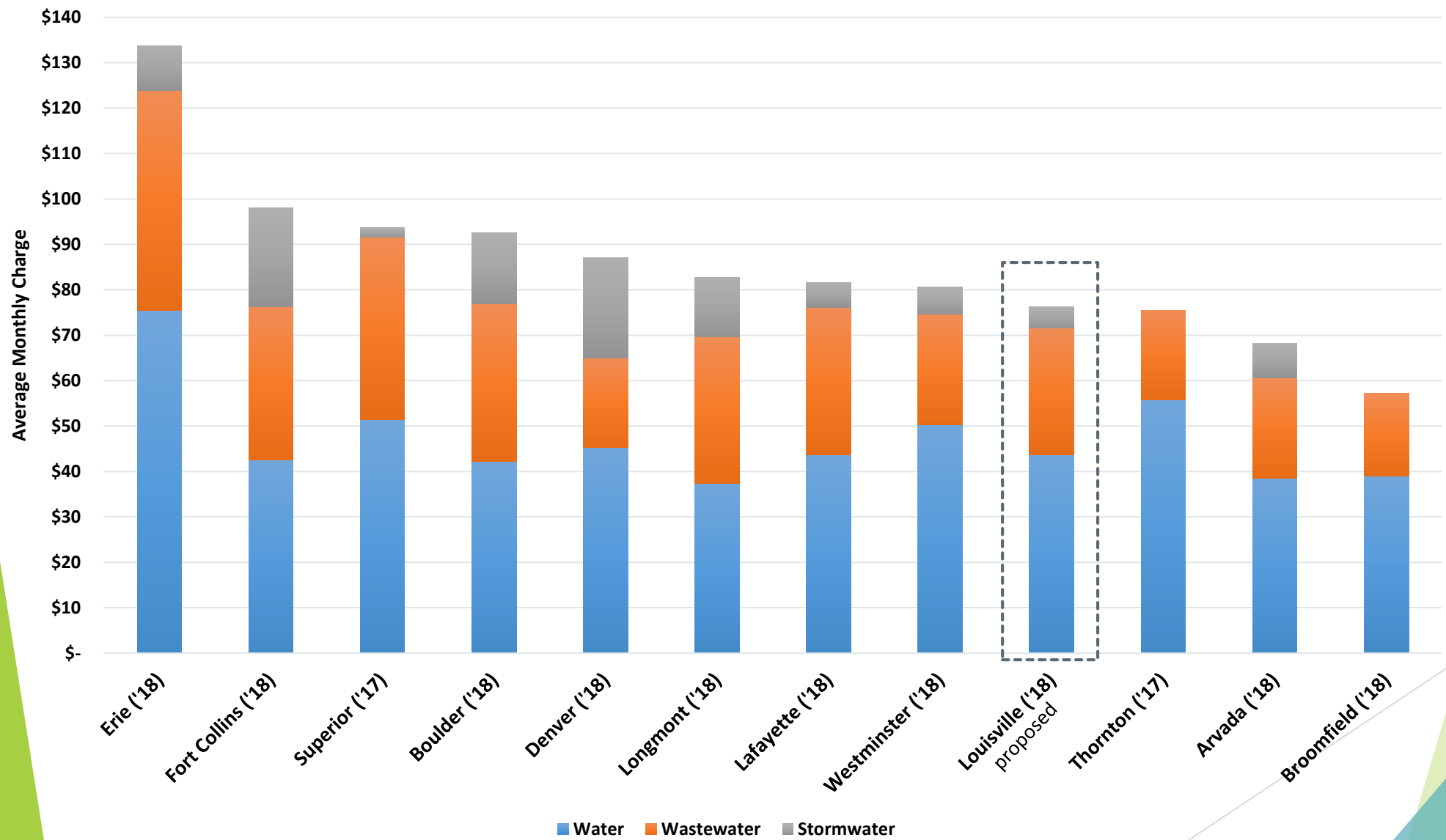
Prior Study 2018 - 2022 Projected Revenue Increases in strikethrough text

Average Residential Bill:

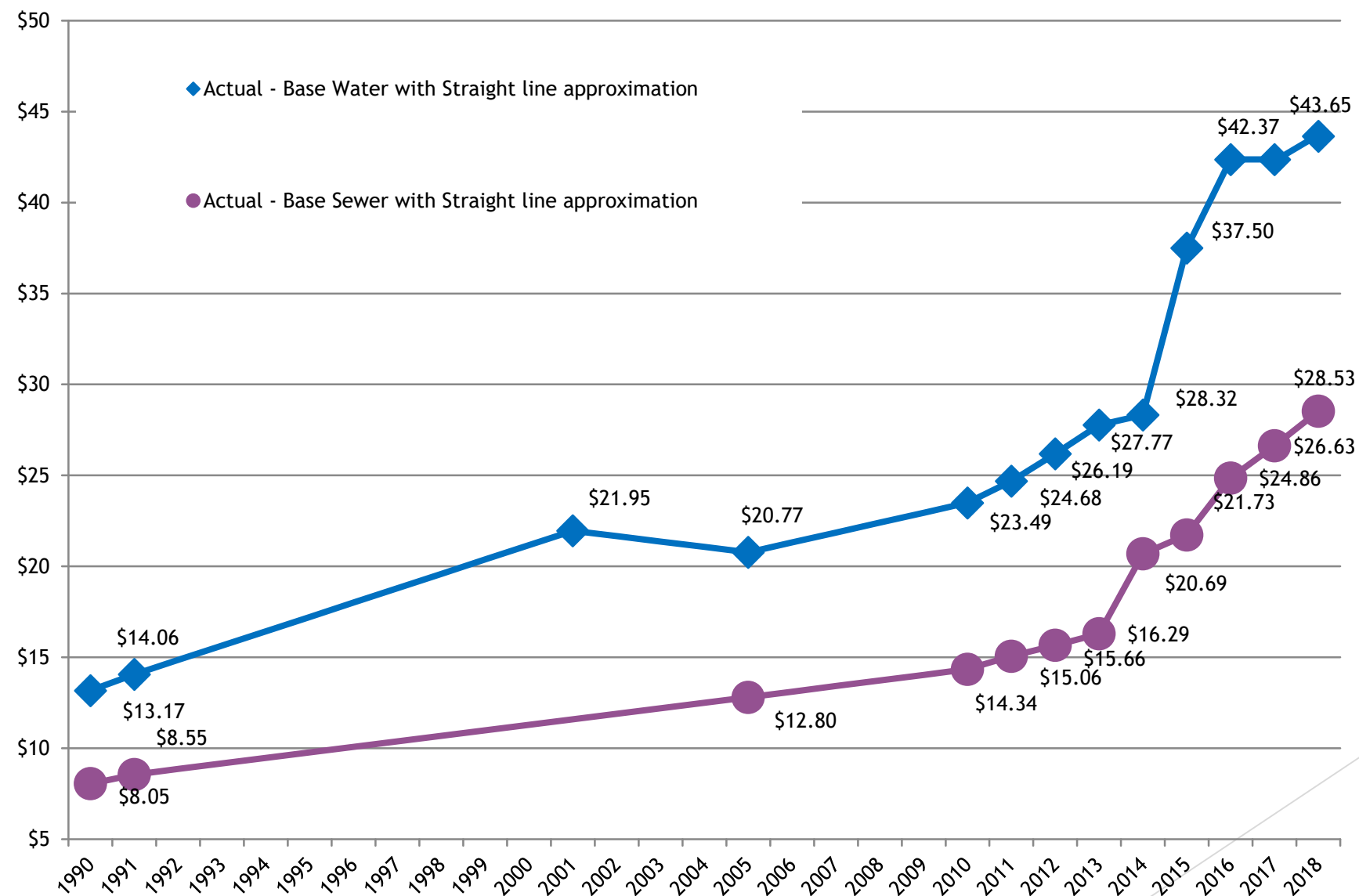
	Current 2017	Proposed 2018	Difference	Percent Increase
Water	\$42.37	\$43.65	\$1.28	3%
Wastewater	\$26.63	\$28.53	\$1.90	7%
Stormwater	\$4.40	\$4.71	\$0.31	7%
Total	\$73.40	\$76.89	\$3.49	4.5%

Based on average usage of approx. 9,220 gallons. Actual bills will be dependent on usage and will vary based on seasonal fluctuation.

Average Monthly Water, Wastewater & Storm Rates (Louisville Single Family Residential)



Historical Water and Sewer Rates



SUBJECT: FINANCIAL STATEMENTS FOR PERIOD ENDING DECEMBER 31, 2017

DATE: JANUARY 19, 2018

PRESENTED BY: GRAHAM CLARK, FINANCE

SUMMARY:

The accompanying statements are for the twelve months ending December 31st, 2017. However, this is on a cash basis and does not include 2017 accruals. The numbers in these reports will change for 2017 year-end reporting. The attached reports will not be what the auditors receive for final review.

The 2017 budget numbers reflect the initial budget and the June 6, 2017 budget amendment for 2016 carry-forward amounts and 2017 additions. The following statements also include an August amendment for operational and capital expenses in the Water Fund as well as the budget amendment passed on November 6, 2017.

Water Utility Fund:

Through December 31st, revenues exceed expenditures by \$4,104,122. Total revenue is 103.6% of the annual estimate and expenses are 50.0%. 2017 Tap fees came in higher than the 2017 estimate. Grant revenues ended the year at \$343K due to final CDBG grant funds for the Eldorado Intake Structure. User Fees will come in right at budget. The Service category of expenditures came in under estimate. Two main areas in the Service category were Repairs & Maintenance and Water Assessments. The Repairs and Maintenance decrease was primarily in the building/facilities and equipment area.

Wastewater Utility Fund:

Through December 31st, expenditures exceed revenues by \$5,747,854. Total revenue is 89.8% of the annual estimate and expenses are 83.9%. Sewer tap fees came in under the estimate and budget due to two properties: The Foundry and 931 Main St, the revenue from which is now expected in 2018.

Stormwater Utility Fund:

Through December 31st, revenues exceed expenditures by \$2,631. Total revenue is 108.3% of the annual estimate and expenses are 71.2%. The Capital Outlay is below the estimate primarily due to the CCS Drainage project moving into 2018. This is a developer dependent project.

Solid Waste Utility Fund:

Through December 31st, revenues exceed expenditures by \$34,009. Total revenue is 89.8% of the annual estimate and expenses are 90.0% of the annual estimate.

City of Louisville, Colorado
Water Fund
Revenue, Expenditures, & Changes to Fund Balance
December 31, 2017
100% of the year completed

		2016 Actual	2017					
			Current Budget	Current Estimate	YTD Actual	% of Budget	\$ Variance to Estimate	% of Estimate
	Revenue Type							
Water Fund Revenue	Grant Revenue	742,447	-	170,200	343,950		173,750	202%
	User Fees	5,885,924	5,842,150	6,010,810	5,870,325	100.5%	(140,485)	98%
	Tap Fees	7,089,742	10,673,110	4,349,700	4,659,014	43.7%	309,314	107%
	Miscellaneous Revenue	154,982	100,000	175,000	221,384	221.4%	46,384	127%
	Other Revenue	92,543	55,210	121,930	123,188	223.1%	1,258	101%
	Total Revenue & Other Sources	13,965,638	16,670,470	10,827,640	11,217,862	67.3%	390,222	103.6%
	Expenditure Type							
Water Fund Expenditures	Personnel	1,594,318	1,755,225	1,756,485	1,565,052	89.2%	(191,432)	89%
	Supplies	391,068	442,674	447,005	366,716	82.8%	(80,289)	82%
	Service	1,519,619	2,360,910	2,328,045	1,010,461	42.8%	(1,317,584)	43%
	Capital Outlay	3,046,551	11,265,292	8,746,295	3,186,662	28.3%	(5,559,633)	36%
	Other	934,490	1,073,110	945,110	984,848	91.8%	39,738	104%
	Total Expenditures & Other Uses	7,486,046	16,897,211	14,222,940	7,113,739	42.1%	(7,109,200)	50.0%
Revenue Over/(Under) Expend's		6,479,592	(226,741)	(3,395,300)	4,104,122			
Beginning Fund Balance		8,012,715	14,492,307	14,492,307	14,492,307			
Ending Fund Balance		14,492,307	14,265,566	11,097,007	18,596,429			

City of Louisville, Colorado
Wastewater Fund
Revenue, Expenditures, & Changes to Fund Balance
December 31, 2017
100% of the year completed

		2016 Actual	2017					
			Current Budget	Current Estimate	YTD Actual	% of Budget	\$ Variance to Estimate	% of Estimate
	Revenue Type							
Wastewater Fund Revenue	User Fees	2,992,979	3,045,460	3,306,200	3,341,749	109.7%	35,549	101%
	Sewer Tap Fees	1,376,709	1,152,290	1,152,290	819,240	71.1%	(333,050)	71%
	Interest Earnings	35,771	40,000	50,000	66,468	166.2%	16,468	133%
	Miscellaneous Revenue	57,026	48,210	48,210	43,104	89.4%	(5,106)	89%
	Interfund Transfers	1,147,173	-	-	-			
	Grant Revenue	550,051	-	200,000	-		(200,000)	0%
	Total Revenue & Other Sources	6,159,709	4,285,960	4,756,700	4,270,560	99.6%	(486,140)	89.8%
	Expenditure Type							
Wastewater Fund Expenditures	Personnel	960,709	1,008,635	1,018,999	1,006,955	99.8%	(12,044)	99%
	Supplies	94,226	141,820	135,545	106,574	75.1%	(28,971)	79%
	Service	687,961	861,750	892,560	650,113	75.4%	(242,447)	73%
	Capital Outlay	18,855,849	9,868,285	8,619,151	6,976,264	70.7%	(1,642,887)	81%
	Other	1,263,287	1,278,510	1,278,510	1,278,509	100.0%	(1)	100%
	Total Expenditures & Other Uses	21,862,032	13,159,000	11,944,765	10,018,414	76.1%	(1,926,350)	83.9%
Revenue Over/(Under) Expend's		(15,702,323)	(8,873,040)	(7,188,065)	(5,747,854)			
Beginning Fund Balance		28,115,716	12,413,393	12,413,393	12,413,393			
Ending Fund Balance		12,413,393	3,540,353	5,225,328	6,665,538			

City of Louisville, Colorado
Stormwater Fund
Revenue, Expenditures, & Changes to Fund Balance
December 31, 2017
100% of the year completed

		2016 Actual	2017					
			Current Budget	Current Estimate	YTD Actual	% of Budget	\$ Variance to Estimate	% of Estimate
Revenue Type								
Stormwater Fund Revenue	Grant Revenue	1,527,910	100,000	200,000	265,643	265.6%	65,643	133%
	User Fees	792,459	712,490	728,280	739,801	103.8%	11,521	102%
	Bond Proceeds/Premium	-	-	-	-			
	Interest Earnings	1,593	7,000	7,000	7,909	113.0%	909	113%
	Sale of Fixed Assets	-	-	-	-			
	Total Revenue & Other Sources	2,321,962	819,490	935,280	1,013,353	123.7%	78,073	108.3%
Expenditure Type								
Stormwater Fund Expenditures	Personnel	213,564	252,091	252,141	226,317	89.8%	(25,824)	90%
	Supplies	4,056	3,909	7,769	5,269	134.8%	(2,500)	68%
	Service	54,279	101,216	106,231	52,421	51.8%	(53,810)	49%
	Capital Outlay	7,628,484	1,045,766	791,056	464,852	44.5%	(326,204)	59%
	Other	259,331	261,860	261,860	261,863	100.0%	3	100%
	Total Expenditures & Other Uses	8,159,714	1,664,842	1,419,057	1,010,722	60.7%	(408,335)	71.2%
Revenue Over/(Under) Expend's		(5,837,752)	(845,352)	(483,777)	2,631			
Beginning Fund Balance		7,015,985	1,178,233	1,178,233	1,178,233			
Ending Fund Balance		1,178,233	332,882	694,457	1,180,864			

City of Louisville, Colorado
Solid Waste & Recycling Utility Fund
Revenue, Expenditures, & Changes to Fund Balance
December 31, 2017
100% of the year completed

		2016 Actual	2017					
			Current Budget	Current Estimate	YTD Actual	% of Budget	\$ Variance to Estimate	% of Estimate
Revenue Type								
Solid Waste & Recycling Utility Fund Revenue	User Fees & Related Charges	1,537,734	1,662,640	1,647,120	1,477,924	88.9%	(169,196)	90%
	Prepaid Extra Bag Tags	5,628	3,000	5,800	7,161	238.7%	1,361	123%
	Recycling Revenue	10,112	10,000	-	-	0.0%		
	Interest Earnings Revenue	231	1,000	300	255	25.5%	(45)	85%
	Other	-	-	-	-			
	Total Revenue & Other Sources	1,553,705	1,676,640	1,653,220	1,485,340	88.6%	(167,880)	89.8%
Expenditure Type								
Solid Waste & Recycling Utility Fund Expenditures	Personnel	106,346	106,294	78,530	81,138	76.3%	2,608	103%
	Supplies	5,893	4,500	6,100	4,313	95.8%	(1,787)	71%
	Service	1,483,671	1,520,120	1,527,710	1,365,879	89.9%	(161,831)	89%
	Capital Outlay	-	-	-	-			
	Other	-	-	-	-			
	Total Expenditures & Other Uses	1,595,910	1,630,914	1,612,340	1,451,330	89.0%	(161,010)	90.0%
Revenue Over/(Under) Expend's		(42,205)	45,726	40,880	34,009			
Beginning Fund Balance		34,876	(7,329)	(7,329)	(7,329)			
Ending Fund Balance		(7,329)	38,397	33,551	26,680			

Water Treatment Process Chemicals

Chemicals	Average Annual Cost (2015-2017)	Purpose
Aluminum Sulfate (Alum)	\$56,662	Coagulating Agent
Aluminum Chlorohydrate (ACH)	\$21,150	Coagulating Agent
Sodium Chlorite	\$19,921	Used to generate Chlorine Dioxide for Taste and Odor reduction.
Sodium Hydroxide (NaOH)	\$38,401	pH adjustment
Sodium Silicate	\$55,558	Corrosion Inhibitor
Fluoride	\$6,007	Additive to reduce tooth decay
Chlorine Gas	\$9,267	Disinfectant
Total	\$206,966	

<p style="text-align: center;">REVISIONS TO THE BOULDER COUNTY HAULER LICENSING ORDINANCE</p>
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ORDINANCE NO. 2016-1

**AN ORDINANCE FOR THE LICENSING OF THOSE PROVIDING
COLLECTION AND/OR TRANSPORTION OF DISCARDED MATERIALS WITHIN THE
UNINCORPORATED AREA OF BOULDER COUNTY**

WHEREAS, boards of county commissioners are empowered by C.R.S. section 30-15-401(1)(a)(II) to inspect vehicles proposed to be operated in the conduct of transporting ashes, trash, waste, rubbish, garbage (referred to hereinafter as “landfill materials”), or industrial waste products or any other discarded materials; and

WHEREAS, boards of county commissioners are empowered by C.R.S. section 30-15-401(1)(a)(IV) to regulate the activities of persons collecting and transporting such materials within the unincorporated area by requiring each such person to secure a license from the county and charging a fee therefore; and to require adherence to such reasonable standards of health and safety as the board may prescribe and to prohibit any such person from commercially collecting or disposing of such materials without a license and when not in compliance with such standards of health and safety as may be prescribed by the board; and

WHEREAS, the Colorado legislature has expressly endorsed "local efforts ...focused toward the reduction of the volume ...of the waste stream ...through source reduction, recycling, composting, and similar waste management strategies." and also recognizes that "improper disposal of solid wastes poses significant public health risks and environmental hazards." Section 30-20-101, C.R.S.

WHEREAS, boards of county commissioners are empowered by C.R.S. section 30-15-401(1)(a)(VI) to require every person providing transportation of discarded materials to and from disposal sites to have, before commencing such operations, in such motor vehicle a motor vehicle liability insurance policy or evidence of such policy issued by an insurance carrier or insurer authorized to do business in the state of Colorado in the amounts required by 30-15-401(1)(a)(VI); and

WHEREAS, persons or companies providing transportation of landfill materials, or industrial waste products or any other discarded materials including electronic devices, recyclable materials, construction and demolition waste, architectural paint, landscaping materials and compostable materials within Boulder County, through their collection and transportation activities are able to supply the county with information necessary for long-term solid waste management planning and therefore should be required to submit annual information about their hauling activities to the county; and

WHEREAS, the county desires to encourage waste reduction, in order to further the waste diversion goals supported by the county; and

REVISIONS TO THE BOULDER COUNTY HAULER LICENSING ORDINANCE

WHEREAS, it is the intent of this Ordinance to: (1) reduce the volume of waste, recyclables and compostables entering the waste stream and landfills; (2) encourage the recycling of certain discarded materials; (3) obtain information for the tracking and planning of waste diversion; and (4) to protect the health, safety and welfare of the public; and

WHEREAS, the county desires to encourage cities and towns within the county to enact ordinances to accomplish the same goals in incorporated areas of the county, and utilize this document as a model; and

WHEREAS, cities and towns within the county may consent to have this ordinance apply within their boundaries, as provided in section 30-15-401(8), C.R.S.

NOW, THEREFORE BE IT ORDAINED BY THE COUNTY COMMISSIONERS OF THE COUNTY OF BOULDER AS FOLLOWS:

SECTION 1: DEFINITIONS

A. For the purpose of this Ordinance, the following words, terms, and phrases will have the following meanings:

1. The term “Architectural Paint” shall mean interior and exterior architectural coatings sold in containers of 5 gallons or smaller, as defined in C.R.S. §25-17-403.
2. The “Boulder County Recycling Center” shall mean the material recovery facility (MRF) owned by Boulder County located at 1901 63rd St., Boulder, CO.
3. The term “Commercial Customer” shall mean any premises where a commercial, industrial, or institutional business or enterprise is undertaken, including, without limitation, retail establishments, restaurants, hospitals, manufacturing factories, schools, day care centers, office buildings, nursing homes, clubs, churches, and public facilities that receive Regular or Periodic Landfill Materials Collection service.
4. The term “Compostable Materials” shall mean Discarded Materials from any residential or commercial source that are collected separately for the purpose of such materials being composted, or otherwise processed into soil amendment, fertilizer, mulch, sludge, biogas, fuel, or electricity.
5. The term “Construction and Demolition or C&D Materials” shall mean the waste materials produced in the process of construction, renovation, or demolition of structures (including buildings, bridges and roads). In addition, it includes the materials generated as a result of natural disasters. Components of C&D material include materials or debris such as asphalt, concrete, dimensional lumber,

<p style="text-align: center;">REVISIONS TO THE BOULDER COUNTY HAULER LICENSING ORDINANCE</p>
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fiberboard, plywood, ferrous metals, non-ferrous metals, asphalt shingles, cardboard, carpet, brick, wallboard, plastic, and cardboard.

6. The term “Discarded Materials” shall mean all putrescible and non-putrescible solid wastes discarded from any residential or commercial sources including Recyclable Materials, Compostable Materials, Construction and Demolition (C&D) Materials, Electronic Device, Architectural Paint, Reuse Materials, Landscaping Materials, and Industrial Waste. The term “Discarded Materials” shall exclude liquid wastes, sewage, sewage sludge, septic tank or cesspool pumpings; discarded or abandoned vehicles or parts of; residential appliances containing chlorofluorocarbon refrigerants; materials used as fertilizers or for other productive purposes, household hazardous wastes, and hazardous materials as defined in the rules and regulations adopted pursuant to the Hazardous Materials Transportation Act, 49 U.S.C. §§ 5101-5127.
7. The term “Electronic Device” (referred to hereinafter as “e-scrap”) shall mean waste electronic devices including television sets, central processing units (CPUs), computer monitors, peripherals, printers, fax machines, laptops, notebooks, ultra-books, net books, electronic tablets, digital video disc (DVD) players, video cassette recorders (VCRs), radios, stereos, video game consoles and video display devices with viewing screens greater than four inches diagonally as defined in C.R.S. §25-17-302(3)(a).
8. The term “Hauler” shall mean person or company that provides the collection transportation and/or disposal of Discarded Materials for another, for a fee, or for no fee, except as exempted in Section 2B below.
9. The term “Landfill Materials” shall mean Discarded Materials from Residential, Commercial and Multi-Family Customers, excluding Recyclable Materials and/or Compostable Materials that have been source-separated for collection.
10. The term “Landscaping Materials” shall mean organic material such as grass clippings, leaves, twigs, branches, and other garden refuse.
11. The term “Multi-family Customer” shall mean a residential structure or mobile home park with two or more residential units that receive Regular or Periodic Landfill Materials Collection service in a centralized collection area.
12. The term “Periodic Landfill Materials Collection” shall mean the regular or on-call collection of landfill materials from Residential, Commercial or Multi-Family Customers, on a schedule of less often than once every five weeks.

<p style="text-align: center;">REVISIONS TO THE BOULDER COUNTY HAULER LICENSING ORDINANCE</p>
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13. The term “Regular Landfill Materials Collection” shall mean the regular collection of landfill materials from Residential, Commercial or Multi-Family Customers, on a schedule of more often than once every five weeks.
14. The term “Residential Customer” shall mean all residential single-family structures that receive Regular or Periodic Landfill Materials Collection service.
15. The term “Recyclable Materials” shall mean Discarded Materials from any residential or commercial source that are collected separately for the purpose of such materials being re-processed into new or different products or packaging materials, provided that such materials have been designated in subsection 6B of this Ordinance as recyclable.
16. The term “Reuse Materials” shall mean Discarded Materials from any residential or commercial source that are collected separately for the purpose of reusing in the same or different way after reclaiming or reprocessing.

SECTION 2: LICENSE REQUIRED

A. No person or entity shall operate as a Hauler within the unincorporated area of Boulder County, Colorado, or any municipality which consents to the application of this ordinance within its jurisdiction, without a current Annual Hauler License for such activity.

B. Exemptions. The following persons or entities shall not be subject to this ordinance.

1. A civic, community, benevolent or charitable nonprofit organization collecting, transporting and marketing recyclables solely for the purpose of raising funds for a civic, community, benevolent or charitable activity.
2. A property owner or agent thereof who transports Discarded Materials left by a tenant upon such owner's property, so long as such property owner is not compensated for such collection service on a regular or continuing basis;
3. Demolition or construction contractors or landscaping companies that produce and transport less than one ton annually of Discarded Materials.

SECTION 3: LICENSING PROCESS

A. The application for a Hauler License shall be submitted to the Boulder County Resource Conservation Division on a completed Boulder County Hauler Licensing Program Application and Self-Certification Form.

REVISIONS TO THE BOULDER COUNTY HAULER LICENSING ORDINANCE

SECTION 4. IMPLEMENTATION STANDARDS

A. The Boulder County Resource Conservation Division shall set standards for the implementation of the Hauler Licensing Program including the amount of license fees, the area of Boulder County subject to unlimited residential recycling requirements, schedule for requiring collection of residential compostable materials and area of the county to be covered by this requirement, and the designation of Recyclable Materials.

SECTION 5: LICENSE FEES

A. The Boulder County Resource Conservation Division shall issue a Hauler License upon the applicant satisfying the requirements herein, and upon full payment of an annual license fee, as specified in the Hauler Licensing Implementation Standards issued by the Resource Conservation Division. All license fees shall be paid in full and shall accompany the application for such license. The amount of the license fee shall be based on the actual cost of administering the Hauler Licensing Program.

SECTION 6: LICENSEE REQUIREMENTS

A. Annual Reporting

All haulers will submit annual reports for Discarded Materials collected from the unincorporated areas of Boulder County or any municipality which consents to the application of this ordinance within its jurisdiction, without a current Annual Hauler License for such activity.

Annual reports will include the following information:

- Weight (in tons) of the following:
 - Discarded Materials
 - Landfill Materials
 - Total Landfilled C&D Materials
 - Total Recycled C&D Materials
 - Recyclable Materials (by commodity or aggregated into commingled containers; mixed paper; single stream (commingled containers combined with mixed paper))
 - Compostables
 - E-scrap
 - Landscaping Materials

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- Architectural Paint
- Reuse Materials
- Other information deemed necessary as waste diversion reports are further developed
- Name and final destination facility(s) of landfill, recycling, composting, C&D, e-scrap, architectural paint, reuse materials, and/or landscape materials

Reports shall be submitted to the Boulder County Resource Conservation Division by January 31, each year, via Boulder County's ReTRAC software or other software designated by Boulder County.

B. Designation of Recyclable Materials

Changes to the list of designated Recyclable Materials shall be proposed by the Resource Conservation Division to the Board of County Commissioners, after notice to the Resource Conservation Advisory Board (RCAB) and representatives of the licensed Haulers operating within the unincorporated county before they can be added to the Implementation Standards.

C. Service for Multi-family Customers and Commercial Customers

Haulers who collect Discarded Materials including Recyclable Materials and Compostable Materials from Multi-family Customers and/or Commercial Customers shall offer such services with a frequency as is necessary to prevent overflow from the collection containers utilized for the collection and preparation of such material by such Multi-family and Commercial Customers.

D. Recycling service for residential customers

Haulers that provide Regular or Periodic Landfill Materials Collection services to Residential Customers shall also provide to these customers weekly or bi-weekly collection of recyclables and shall charge a single rate for Landfill Materials Collection and collection of unlimited amounts of recyclable material.

Each Hauler may provide household recycling containers for the collection and preparation of recyclables to all residential customers. Such Haulers may also establish such reasonable and industry-accepted requirements, rules, or regulations for the separation and preparation of Recyclable Materials as are necessary to provide for the orderly collection of Recyclables Materials. Except for materials not properly prepared for recycling, Haulers may not dispose of Recyclable Materials set out for collection by their customers by any means other than delivery to a lawfully operating recyclables processing facility.

In the event the Hauler elects to perform collection of waste, including Recyclable Materials, through subcontractors or agents, such agency relationship shall not relieve the Hauler of responsibility for compliance with the provisions of this subsection or any rule promulgated hereunder.

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All Recyclable Materials placed for collection shall be owned by and be the responsibility of the customer until the materials are collected by the Hauler. No person other than the person placing the Recyclable Materials for collection or that person's hauler shall take physical possession of any Recyclable Materials separated from landfill materials, set out in the vicinity of the curb, and plainly marked for Recyclable Material collection.

E. Compost service for residential customers

Haulers that provide Regular or Periodic Landfill materials Collection services to Residential Customers in the urbanized areas, identified as Region 5 on the Boulder County Resource Conservation Division Waste Hauler Ordinance Regions map provided yearly to licensed haulers, shall also provide to these customers weekly or bi-weekly collection of a minimum of 96 gallons Compostable Material and shall charge a single rate for Landfill materials Collection and collection of Recyclable and Compostable Material.

Each Hauler may provide household compost collection containers for the collection of Compostable Material to all residential customers. Such Haulers may also establish such reasonable and industry-accepted requirements, rules, or regulations for the separation and preparation of Compostable Material as are necessary to provide for its orderly collection. Except for materials not properly prepared for composting, Haulers may not dispose of Compostable Material set out for collection by their customers by any means other than delivery to a lawfully operating compostables processing facility.

In the event the Hauler elects to perform collection of waste, including Compostable Material, through subcontractors or agents, such agency relationship shall not relieve the Hauler of responsibility for compliance with the provisions of this subsection or any rule promulgated hereunder.

All Compostable Material placed for collection shall be owned by and be the responsibility of the customer until the materials are collected by the Hauler. No person other than the person placing the compostable materials for collection or that person's hauler shall take physical possession of any compostable materials separated from landfill materials, set out in the vicinity of the curb, and plainly marked for compostable material collection.

F. Volume-based rates

Haulers that provide Regular or Periodic Landfill Materials Collection services to their Residential customers shall charge these customers for this service on the basis of the volume of the Landfill Materials containers subscribed to by the customer for Regular or Periodic Landfill Materials collection by the Hauler.

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In order to encourage waste reduction by offering smaller volume collection, each Hauler shall establish a single standardized price to be charged for the collection of a base volume of 32, 64 and 96 gallons, which are the typical volumes of Garbage can or cart used by a Residential Customers. No hauler may sell only one volume of service. Each hauler shall charge an incremental standardized price for each base volume unit of Landfill Material subscribed to or placed by the customer, whichever is more, regardless of the number of containers placed by the customer for collection.

Each Residential Customer shall be afforded the opportunity to subscribe to service limited to 32 gallons only, 64 gallons only, or 96 gallons only. The provisions of this subsection shall not be construed as prohibiting any Hauler from also establishing rules and regulations regarding the safe maximum weight of containers of Landfill Materials and/or Recyclable Materials or Compostable Materials. A Hauler may refuse to collect any Landfill Materials container which is overloaded or which contains a volume of Landfill Materials greater than the rated or specified volume of such container or shall account for and bill the customer for the collection of such excess Landfill Materials.

Special pickups for bulky items are permitted at an additional fee.

G. Flat monthly fee

In addition to the volume-based rates, Haulers may establish a flat monthly fee that may be charged to Residential Customers regardless of whether Landfill Materials, Recyclable or Compostable Materials are placed by the customer for collection during the month. The flat monthly fee may be charged for the purpose of covering the combined fixed operational costs for collecting Landfill Materials and Recyclable Materials and Compostable Materials.

The fee shall not exceed the monthly volume-based rate charged, assuming the collection of only one standard Landfill Materials container (approximately 32 gallons) per week. All bills for services provided by such contractor to Residential Customers shall clearly identify both the flat monthly fee and any volume-based fees charged to the customer for the collection of Landfill Materials.

Nothing herein shall prevent or prohibit such Hauler from charging additional fees for providing services in addition to collection of Landfill Materials, Recyclable Materials or Compostable Materials.

H. Multi-family and Commercial volume-based rates

Haulers that provide Landfill Materials Collection, Recycling Collection, and/or Compost Collection services to their Multi-family and Commercial customers shall charge these customers for this service on the basis of the volume of the containers subscribed to by the customer for collection by the Hauler.

<p style="text-align: center;">REVISIONS TO THE BOULDER COUNTY HAULER LICENSING ORDINANCE</p>
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A Hauler may refuse to collect any Landfill Materials container which is overloaded or which contains a volume of Landfill Materials greater than the service subscribed to or specified volume of such container or shall account for and bill the customer for the collection of such excess Landfill Material.

Special pickups for bulky items are permitted at an additional fee.

I. Notification of new customers

Hauler shall notify New Residential Customers in writing that the service includes the collection of Recyclable Materials, which materials are designated for recycling collection in subsection 6B, and of such rules and regulations as have been established by the Hauler for the orderly collection or Recyclable Materials as authorized by subsection 6E regarding the acceptable weight and volume for the collection of Recyclable Materials.

Haulers shall also notify new Residential Customers that the service includes the collection of Compostable Materials pursuant to Section 6J.

I. Disposition of Recyclable Materials

All Recyclable Materials placed for collection shall be owned by and be the responsibility of the customer until the materials are collected by the Hauler. No person other than the person placing the Recyclable Materials for collection or that person's hauler shall take physical possession of any Recyclable Materials separated from Landfill Materials, set out in the vicinity of the curb, and plainly marked for recyclable material collection.

Each Hauler shall haul all the customer's Recyclable Materials to the Boulder County Recycling Center, a publicly owned facility located at 1901 63rd Street Boulder, Colorado 80301, or to another recycling facility, at the discretion of the hauler.

J. County to Supply Information

The County may produce an educational flyer about recycling and waste reduction opportunities in Boulder County. Haulers shall copy and distribute this flyer, not to exceed one sheet of paper in length, to all their Residential, Multi-Family and Commercial customers, at no charge to the county.

SECTION 7: ELECTRONICS COLLECTION LANDFILL BAN

A. In accordance with section 25-17-301 to 308, C.R.S., the "Electronics Recycling Job Act," haulers are prohibited from knowingly collecting the following electronic equipment for landfill disposal:

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Waste electronic devices include television sets, central processing units (CPUs), computer monitors, peripherals, printers, fax machines, laptops, notebooks, ultra-books, net books, electronic tablets, digital video disc players, video cassette recorders and video display devices with a screen greater than four inches.

Haulers may not collect electronics from industry, businesses, governmental agencies, institutions and schools unless the material is being managed under the Universal Waste Rule (Colorado Hazardous Waste Regulations 6 CCR 1007-3 Part273)

SECTION 8: AUDIT, PENALTIES FOR NON-COMPLIANCE

A. It shall be a violation of this Hauler Licensing Ordinance #2016 - for any person, firm or entity to engage in any commercial waste hauling within the unincorporated area of Boulder County without first having obtained a license for said operation. Each separate Periodic Landfill Materials Collection service or each separate collection from a Residential, Multi-family or Commercial Customer of Discarded Materials conducted without a license shall constitute a separate violation. Any such violation shall be punishable by a fine of not more than five hundred dollars (\$500.00) for each separate violation.

B. Any other violation of this Waste Hauler Licensing Ordinance 2016 -xx shall be punishable by a fine of not more than five hundred dollars (\$500) for each separate violation and/or may result in the suspension or revocation of the license.

C. Each Hauler shall make its records available for audit by the county at a location within the Denver metropolitan area during regular business hours when requested by the county in order to allow it to verify Hauler compliance with the provisions of this Ordinance. Among other records, each Hauler shall make available for review all customer invoices, scale tickets and similar documents reflecting actual pricing to customers, as well as final destination of materials collected. All information that is confidential pursuant to the provisions of the Colorado Open Records Act, § 24-72-201, et seq., C.R.S., shall be treated as such.

D. Law enforcement personnel may use the Penalty Assessment Procedure described in C.R.S. section 16-2-201 for violations of this Hauler Licensing Ordinance #2016 -xx. This statute permits an arresting officer to issue a penalty assessment notice and release an alleged violator upon the terms of the notice or take the alleged violator before a county court judge. The penalty assessment notice shall be a summons and complaint, and shall contain the identification of the person, firm or entity which has violated this Ordinance. The penalty assessment notice shall also specify the offense, the applicable fine, and require that the alleged violator pay the fine or appear to answer the charge at a specified time and place.

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D. No enforcement action for a violation of this Hauler Licensing Ordinance #2016 -xx shall be taken more than one calendar year after the date on which said violation occurred.

SECTION 9: SAVINGS CLAUSE

A. If any section, clause, sentence or part of this ordinance is adjudged by any court of competent jurisdiction to be invalid, such invalidity shall not affect, impair or invalidate the other provisions of this ordinance which can be given effect without such invalid provision.

SECTION 10: REPEAL OF ORDINANCE 95-2

This ordinance shall be known as and be referred to as the "**Commercial Waste Hauler Licensing Ordinance 2016-1.**" Commercial Waste Hauler Licensing Ordinance 2007 -01 is hereby repealed and re-enacted as Commercial Waste Hauler Licensing Ordinance 2016-1 herein.

SECTION 11: EFFECTIVE DATE

This ordinance shall be effective thirty days after publication and adoption on second reading.
INTRODUCED, READ AND ADOPTED ON FIRST READING _____2016, and
ordered published in the Times-Call.

THE BOARD OF COMMISSIONERS
OF THE COUNTY OF BOULDER, COLORADO

, Chair

, Commissioner

, Commissioner

ATTEST:

**REVISIONS TO THE BOULDER COUNTY
HAULER LICENSING ORDINANCE**

Clerk to the Board

ADOPTED ON SECOND AND FINAL READING on _____

THE BOARD OF COMMISSIONERS
OF THE COUNTY OF BOULDER, COLORADO

Chair

CERTIFICATE

I hereby certify that the foregoing Ordinance 2016-1 was introduced, read and adopted on first reading at the regular meeting of the Board of County Commissioners of the County of Boulder on _____2016, and the same was published in full in the Times-Call, a newspaper of general circulation published in Boulder County, on _____2016, and thereafter was adopted on second and final reading at a regular meeting of the Board of County Commissioners of the County of Boulder on _____2016.

Clerk and Recorder
State of Colorado
County of Boulder

Subscribed and sworn to before me this ____ day of _____, 2016.

Notary Public
My Commission expires:

Utility Committee Advanced Agenda	
DATE	ISSUE
2018	
1/12	CIP Update Final 2018 Rates Windy Gap Sustainability Utility (Open Initial Idea) New Committee Work Plan, Schedule, and Times
3/9	CIP Update Windy Gap Water Supply Update (Begin Drought Strategy discussion if needed) Trash/Recycle/Composting – 1 st RFP Review 2019-2024 30-60% Utility Proposed CIP
5/11	CIP Update Windy Gap Water Supply Update (Drought Strategy if needed) Water Engineering Update Trash/Recycle/Composting – 2 nd RFP Review 2019-2024 100% Utility Proposed CIP 1 st Quarter Financial Review
7/13	CIP Update Windy Gap Preliminary 2019 Rates Trash/Recycle/Composting – 3 rd RFP Review (If Needed) 2 nd Quarter Financial Review
9/14	CIP Update Windy Gap Draft 2019 Rates
11/9	CIP Update